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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 1 of 4

Complete if Known

Application Number	
Filing Date	11/14/03
First Named Inventor	Sun, Sam-Shajing
Art Unit	
Examiner Name	
Attorney Docket Number	036021.

Sheet 1 of 4

Attorney Docket Number 036021.

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Sheet	2	of	4	<i>Attorney Docket Number</i>	036021.0002

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		CHRISTOPH J. BRABEC, ANTONIO CRAVINO, DIETER MEISSNER, N. SERDAR SARICIFTCI, THOMAS FROMHERZ, MINZE T. RISPENS, LUIS SANCHEZ, AND JAN C. HUMMELEN; Origin Of The Open Circuit Voltage Of Plastic Solar Cells; Advanced Functional Materials; October 5, 2001; Pages 374-380; No. 11; WILEY-VCH Verlag, Weinheim, Germany.			
		ANDERS HAGFELDT AND MICHAEL GRÄTZEL; Molecular Photovoltaics; Accounts of Chemical Research; 02/23/2000; 269-277; Vol. 33, No. 5, 2000; American Chemical Society.			
		WENDY U. HUYNH, JANKE J. DITTMER, AND A PAUL ALIVISATOS; Hybrid Nanorod-Polymer Solar Cells; www.sciencemag.org; March 29, 2002; Pages 2425-2427; Volume 295.			
		ANTONI CRAVINO, GERALD ZERZA, HELMUT NEUGEBAUER, MICHELE MAGGINI, STEFANIA BUCELLA, ENZO MENNA, MATTIAS SVENSSON, MATS R ANDERSSON, CHRISTOPH J. BRABEC AND N. SERDAR SARICIFTCI; Electrochemical and Photophysical properties of a Novel Polythiophene with Pendant Fulleropyrrolidine Moieties: Toward "Double Cable" Polymers for Optoelectronic Devices; J. Physical Chemistry; 12/11/2001; Pages 70-76; Volume B 2002, 106; American Chemical Society.			
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		BRIAN A. GREGG; Excitonic Solar Cells; J. Physical Chemistry; 05/01/2003; Pages 4688-4698; Volume B 2003, 107; American Chemical Society.			
		L. GORIS, M.A. LOI, A. CRAVINO, H. NEUGEBAUER, N.S. SARICIFTCI, I. POLEC, L. LUTSEN, E. ANDRIES, J. MANCA, L. DE SCHEPPER, D. VANDERZADE; Poly (5, 6-Dithiobicyclo[4.1.0]hept-5-en-2-one), A New Low Band Gap Polymer: Spectroscopy And Solar Cell Construction; Synthetic Metals; 2003; Pages 249-253; Volume 138 (2003); Elsevier Science B.V.			
		X. LINDA CHEN AND SAMSON A. JENEKHE; Supramolecular Self-Assembly of Three-Dimensional Nanostructures and Microstructures: Microcapsules from Electroactive and Photoactive Rod-Coil-Rod Triblock Copolymers; Macromolecules; 06/07/2000; Pages 4610-4612; Volume 33 (2000); American Chemical Society.			
		SAM-SHAJING SUN; Design of a Block Copolymer Solar Cell; Sol. Energy Mater. Sol. Cells; 79(2003); Pages 257-264; Volume 0927-0248-03; Elsevier B. V..			
		S. SUN, Z. FAN, Y. WANG, J. HALIBURTON, C. TAFT, S. MAAREF, K. SEO AND C.E. BONNER; Conjugated Block Copolymers for Opto-Electronic Functions; Synthetic Metals; 2003; Pages 883-884; Volume 137/1-3; Synthetic Metals.			

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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Description of Non-Patent Literature Document		T ²
		SAM-SHAJING SUN, ZHEN FAN, YIQING WANG, CHARLES TAFT, JAMES HALIBURTON and SHAHIN MAAREF; Synthesis and Characterization of a Novel-D-B-A-B Block Copolymer System for Potential Light Harvesting Applications; Organic Photovoltaics III; Pages 114-124; Volume 4801 (2003); Proceedings of SPIE.		
		SAM-SHAJING SUN, ZHEN FAN, YIQING WANG, CHARLES TAFT, JAMES HALIBURTON and SHAHIN MAAREF; Design and Synthesis of Novel Block Copolymers for Efficient Opto-Electronic Applications; Organic Photovoltaics II; Pages 121-128; Volume 4465 (2002); Proceedings of SPIE.		
		Z. FAN, Y. WANG, C. TAFT, J. HALIBURTON, S. MAAREF and S. SUN; Synthesis and Characterization of a Novel Block Copolymer Containing Donor and Acceptor Blocks; Polym. Mater. Sci. Eng.; 86(2003); Page 47.		
		J. L. BRÉDAS, R. SILBEY, D. S. BOUDREAUX and R. R. CHANCE; Chain-Length Dependence of Electronic and Electrochemical Properties of Conjugated Systems: Polyacetylene, Polyphenylene, Polythiophene, and Polypyrrole; J. Am. Chem. Soc.; 1983; Pages 6555-6559; American Chemical Society.		
		MASSIMO LAZZARI and M. ARTURO LÓPEZ-QUINTELA; Block Copolymers as a Tool for Nanomaterial Fabrication; Advanced Materials; October 2, 2003; Pages 1583-1594; Volume 15 No. 19; WILEY-VCH Verlag, Weinheim, Germany.		
		THUC-QUYEN NGUYEN, JUNJUN WU, VINH DOAN, BENJAMIN J. SCHWARTZ, SARAH H. TOLBERT; Control of Energy Transfer in Oriented Conjugated Polymer-Mesoporous Silica Composites; www.sciencemag.org; April 28, 2000; Pages 652-656; Volume 288; www.sciencemag.org.		
		FRANZ PADINGER, ROMAN S. RITTBERGER and NIYAZI S. SARICIFTCI; Effects of Postproduction Treatment on Plastic Solar Cells; Adv. Funct. Mater; February 2, 2003; Pages 1-4; Volume 13, No. 2; Wiley-VCH Verlag, Weinheim, Germany.		
		X. LINDA CHEN and SAMSON A. JENEKHE; Block Conjugated Copolymers: Toward Quantum-Well Nanostructures for Exploring Spatial Confinement Effects on Electroic, Optoelectronic, and Optical Phenomena; Advance ACS Abstracts; August 15, 1996; Pages 6189-6192; Volume Maromolecules 1996, 29; American Chemical Society.		
		I. POLEC, A. HENCKENS, L. GORIS, M. NICOLAS, M. A. LOI, P. J. ADRIAENSENS, L. LUTSEN, J. V. MANCA, D. VANDERZANDE, N. S. SARICIFTCI; Convenient Synthesis and Polymerization of 5, 6-Disubstituted Dithiophthalides Toward Soluble Poly (isothianaphthene): An Initial Spectroscopic Characterization of the Resulting Low-Band-Gap Polymers; Journal of Polymer Science: January 7, 2003; Pages 1034-1045; Volume 41, 2003, Part A: Polymer Chemistry; Wiley Periodicals, Inc.		
		S. JANIETZ, D. D. C. BRADLEY, M. GRELL, C. GIEBELER; M. INBASEKARAN and E. P. WOO; Electrochemical determination of the ionization potential and electron affinity of poly (9, 9-diocylfluorene); Applied Physics Letters, October 26, 1998; Pages 2453-2455; Volume 73, number 17; American Institute of Physics.		

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